
CLAIMS

[Claim(s)]

[Claim 1]It is a manufacturing method which pastes a metallic material and a heat-resistant adhesive film together using a heat roll laminating device which has at least two or more pairs of metallic rolls, and produces a heat-resistant flexible laminated sheet, A manufacturing method of a heat-resistant flexible laminated sheet, wherein cooking temperature of this metallic roll differs, respectively.

[Claim 2]A manufacturing method of the heat-resistant flexible laminated sheet according to claim 1, wherein not less than 50 ** of cooking temperature of each metallic roll of said heat roll laminating device differs.

[Claim 3]A manufacturing method of a heat-resistant flexible laminated sheet indicated in any 1 paragraph of claim 1, wherein cooking temperature of a metallic roll of a last stage of said heat roll laminating device is the following (glass transition temperature of +30 ** of a heat-resistant adhesive film) thru/or claim 2.

[Claim 4]A manufacturing method of a heat-resistant flexible laminated sheet indicated in any 1 paragraph of claim 1, wherein diameters of two or more pairs of metallic rolls of said heat roll laminating device differ thru/or claim 3.

[Claim 5]A manufacturing method of a heat-resistant flexible laminated sheet indicated in any 1 paragraph of claim 1 characterized by arranging a protective material between a pressurization face of this device, and laminated material when pasting a metallic foil and a heat-resistant adhesive film together using said heat roll laminating device thru/or claim 4.

[Claim 6]Application-of-pressure hot forming by a metallic roll of the 1st step of said heat roll laminating device is performed above 200 **, And a manufacturing method of a heat-resistant flexible laminated sheet indicated in any 1 paragraph of claims 1-5 sticking a protective material and laminated material lightly and exfoliating this protective material from a laminate sheet after cooling.

[Claim 7]A manufacturing method of a heat-resistant flexible laminated sheet indicated in any 1 paragraph of claims 1-6 using an adhesion sheet which contains thermoplastic polyimide 50% of the weight or more into adhesion components as said heat-resistant adhesive film.

[Claim 8]A manufacturing method of a laminate sheet indicated in any 1 paragraph of claims 1-7 characterized by thickness using copper foil of 50 micrometers or less as said metallic material.

[Claim 9]A manufacturing method of a laminate sheet indicated in any 1 paragraph of claims 1-8 characterized by using a polyimide film as said protective material.